

FERMI NATIONAL ACCELERATOR LABORATORY



Fermi National Accelerator Laboratory (Fermilab) is one of the world's foremost laboratories dedicated to high energy physics research. The laboratory is operated for the Department of Energy, Office of Science by a consortium of 89 leading research-oriented universities primarily in the United States, with members also in Canada, Italy and Japan. Fermilab is located on a 6,800 acre site about 45 miles west of Chicago. Fermilab is home to the Tevatron, the world's highest energy particle accelerator. Around its four-mile circumference 1,000 superconducting magnets are cooled by liquid helium to -268°C . Two major components of the Standard Model were discovered at Fermilab—the bottom quark and the top quark—and the first direct observation of the tau neutrino, the last fundamental particle to be observed, was at Fermilab.